Math 103, Fall 2014

Quiz on Week 11 Material

Name: _____

Find

$$\lim_{x \to 0^+} x^2 \cot x.$$

$\frac{d}{dx} \sin x = \cos x$	$\frac{d}{dx} \sec x = \sec x \tan x$
$\frac{d}{dx} \cos x = -\sin x$	$\frac{d}{dx} \csc x = -\csc x \cot x$
$\frac{d}{dx} \tan x = \sec^2 x$	$\frac{d}{dx} \cot x = -\csc^2 x$